



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2002

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

McLean County

.5 NW Calhoun to .5 NE Calhoun	23	2227CST 2230CST	1.8	500	0	0	1M		Tornado (F2)
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Top wind speeds in this F-2 tornado were estimated near 120 MPH. The damage path extended from the extreme northwest side of Calhoun to the extreme northeast side of town. A total of about 53 buildings were damaged or destroyed, of which 43 were homes and 10 were businesses. At least one home and one business was destroyed, 5 houses received major damage, and 4 businesses including a church and daycare center received major damage. The business that was destroyed was a TV antenna/satellite service on Kentucky Highway 81 at the northern city limit of Calhoun. Most of the remainder of the structures received minor damage. In addition to the damaged homes and businesses, barns, grain bins, and at least one shed were destroyed. At the city-owned cemetery, 300 to 350 tombstones were overturned, and 50 trees were uprooted.



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April 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ILLINOIS, South

Jefferson County

1.5 NE Bluford to 3 NE Bluford	21	1449CST 1451CST	1.5	100	0	0	2K		Tornado (F1)
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The tornado formed about one-half mile north of Illinois Route 15, just west of the Wayne/Jefferson County line, and moved quickly into Wayne County.

Wayne County

6 W Wayne City to Ellery	21	1451CST 1530CST	30	500	1	42	4M		Tornado (F3)
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The tornado entered Wayne County about a half mile north of Illinois Route 15, then proceeded to move northeast to a point about 1.5 miles north of Wayne City. The tornado then paralleled Route 15 just north of Sims. The tornado continued moving east toward Fairfield, and passed through the southern part of Fairfield with F-3 intensity winds. The tornado then travelled slightly south of east toward Golden Gate. The tornado weakened east of Golden Gate and finally dissipated in extreme eastern Wayne County near Ellery. The sole fatality occurred 4 miles west of Wayne City, when a 47-year-old man was killed inside his mobile home. Of the 42 hospital-treated injuries, 13 were critical. A total of 35 homes were destroyed, and 16 received major damage. The average wind speed in the tornado was 130 to 170 MPH, with peak winds at or approaching 200 MPH. The F-3 damage was located near Sims, southern sections of Fairfield, near Merriam, and areas west and north of Wayne City. Vehicles were picked up and deposited in houses. Well-constructed houses lost roofs and some walls. Weaker structures, including a tavern near Sims, were demolished. M47MH

Gallatin County

Equality	24	1613CST	0.1	20	0	0			Tornado (F0)
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The tornado briefly touched down in open country and produced no known damage.

Saline County

1 W Galatia to 6.5 E Galatia	28	0007CST 0016CST	7.5	200	0	3	3.5M		Tornado (F2)
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The tornado struck Galatia directly, damaging about 55 structures and destroying several. Peak winds were estimated between 120 and 130 MPH. The roof of a car wash was blown off, and then the walls collapsed on a police cruiser that was sheltered there. A coal mine sustained a quarter million dollars in damage. Two persons were injured in an overturned trailer. Two brick homes lost their roofs and some walls.



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ILLINOIS, South

Union County

9 W Dongola to 7 E Dongola	28	0018CST 0035CST	16	400	1	8	5M	Tornado (F3)
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The tornado first touched down in very hilly terrain in the Shawnee National Forest and then tracked east, crossing Route 127 just north of Mill Creek. The tornado then directly struck the community of Dongola, where most of the damage and casualties occurred. A 69-year-old woman was killed as she was attempting to flee her mobile home. The woman had just gotten into her car, started the engine, and turned the lights on when the tornado struck. She was blown away from the car and found dead under a structure across the road from where the vehicle was parked and still running. Elsewhere in the Dongola area, a train was blown off the tracks. Several wood houses were demolished, and seven double-wide trailers were destroyed. Approximately 75 homes were damaged. A recreational vehicle was tossed across Lake Dongola and impaled into the ground. F69NE

Johnson County

1.5 W Cypress to 1.5 E Cypress	28	0035CST 0038CST	3	400	0	2	3M	Tornado (F2)
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The tornado entered Johnson County near Cypress and was on the ground for only a few miles in Johnson County. Cypress was impacted directly, where about 50 structures were damaged, including a school. The school lost portions of upper story walls and the roof. Two trailers were destroyed.

Johnson County

3 S Vienna to Ganntown	28	0046CST 0052CST	7	400	0	2	100K	Tornado (F2)
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This tornado was produced by the same supercell thunderstorm that spawned a long-track tornado over southern Union and southwest Johnson Counties. This tornado touched down along U.S. Highway 45, about 3 miles south of Vienna. The tornado moved east across Interstate 24, and then dissipated about 1.5 miles east of the interstate near Ganntown. Two persons were injured when their mobile home was demolished. Two other mobile homes were extensively damaged. Numerous trees were down.

Pope County

3 SW Dixon Spgs to 1.5 NNE Golconda	28	0059CST 0110CST	12	200	0	1	400K	Tornado (F3)
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The tornado touched down near Dixon Springs and tracked east, parallel and very close to Illinois Route 146. The path was through rural farm country and the Shawnee National Forest. A couple of farm buildings were damaged near the beginning of the track. Where the tornado crossed Route 146, a mobile home was destroyed, injuring one person. On the north side of Golconda, one brick home was destroyed and a couple of nearby homes were damaged. The tornado then crossed the Ohio River into Kentucky.

INDIANA, Southwest

Posey County

5 W Mt Vernon to 4.9 W Mt Vernon	24	1716CST	0.1	30	0	0	Tornado (F0)
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A trained spotter observed a brief tornado touchdown over open country, with no damage.

KENTUCKY, Southwest

Livingston County

5 WNW Joy to 5 E Joy	28	0110CST 0120CST	10	200	0	0	40K	Tornado (F2)
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This tornado crossed the Ohio River just upriver from Golconda, Illinois. It tracked eastward across northern Livingston County, over rural wooded and farm country. Many thousands of trees were blown down. Few structures were in the path of the tornado. A



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KENTUCKY, Southwest

mobile home was destroyed, and at least a couple of farm buildings were damaged

Crittenden County

1 NW Sheridan to
1 NE Sheridan

28 0135CST
 0137CST 2 100 0 0 20K Tornado (F1)

This relatively weak, short-lived tornado was spawned by the same supercell thunderstorm that produced longer and more destructive tornadoes over Livingston County and eastern Crittenden and Webster Counties. Many trees were down, and a couple of trailers were destroyed or heavily damaged.

Crittenden County

4 NE Marion to
5 NE Marion

28 0139CST
 0141CST 1 200 0 0 3K Tornado (F1)

This short-lived tornado crossed U.S. Highway 60 northeast of Marion, downing numerous trees. This tornado was one in a series of tornadoes spawned by a supercell thunderstorm that tracked eastward across Livingston, Crittenden, and Webster Counties.

Crittenden County

4 N Shadey Grove to
4 NNE Shadey Grove

28 0149CST
 0150CST 1 100 0 0 100K Tornado (F2)

The tornado was spawned by a long-lived supercell that originated over southeast Missouri and tracked across southern Illinois and western Kentucky. This tornado, which was one of the strongest and longest-lived of the night, first touched down just inside Crittenden County on State Route 120. It quickly moved into Webster County. Before moving into Webster County, about a dozen homes and farm buildings were damaged in Crittenden County.

Webster County

5 W Providence to
4 E Providence

28 0150CST
 0159CST 9 880 0 26 15M Tornado (F3)

The tornado crossed southern Webster County, producing major damage as it paralleled Highway 120 through Providence. About two dozen persons were injured, and they were transported by ambulance to regional hospitals. One person was critically injured. The tornado produced F-3 damage in Providence, then weakened to an F-2 tornado just east of the city limits. The tornado struck a mobile home park in Providence, destroying 16 of the 20 mobile homes there. About 10 permanent homes were destroyed, and about 100 more homes were damaged.

Hopkins County

3.3 NW Nebo to
1 E Hanson

28 0159CST
 0210CST 12 880 0 0 1.8M Tornado (F3)

The tornado crossed into Hopkins County just west-northwest of Nebo, and finally lifted after moving through Hanson. The tornado was rated at F-3 intensity in the Nebo area, where four chicken houses were blown off their foundations. About 45,000 chickens were left in the debris. Damage to one chicken facility was estimated between one and two million dollars. The tornado weakened as it progressed across the county. About 10 to 15 residences were significantly damaged.

MISSOURI, Southeast

Mississippi County

Charleston to
1.8 SE Charleston

20 1520CST
 1525CST 1.8 100 0 0 68K 8K Tornado (F1)

The tornado path extended from Interstate 57 on the east side of Charleston to about 1.8 miles southeast of Charleston. Peak wind speeds in the tornado were estimated at 100 MPH. An anchored mobile home was lifted and rolled, destroying it. The residents of the mobile home escaped injury by abandoning it moments before the tornado struck. Stationary automobiles were moved about. Several mature hardwood trees were snapped off or uprooted. Minor damage occurred to outbuildings and metal pole-framed structures on the southeast edge of Charleston.



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MISSOURI, Southeast

Carter County

**Van Buren to
4.5 ESE Ellsinore**

24 1513CST 20.5 300 0 2 15M Tornado (F4)
1545CST



This photo of the tornado was taken by Mike Gossett of the National Park Service near Van Buren, early in the life cycle of this 40-mile long tornado. The tornado damage path began on the west side of Van Buren, right along the Current River, and crossed U.S. Route 60 very close to the Current River bridge. Two businesses in Van Buren, a lodge and a restaurant, were heavily damaged by F-2 intensity winds. The tornado travelled southeast across hilly and forested terrain until reaching the community of Ellsinore. Damage on the south side of Ellsinore was severe, where about 7 businesses were destroyed. Most of the damage at Ellsinore, which was inflicted by F-4 intensity winds, occurred along and near U.S. Highway 60. Across Carter County, 13 homes were destroyed and 12 homes suffered major damage. The tornado then moved into the Mark Twain National Forest and crossed into Butler County north of Highway 60

Butler County

**11 W Hendrickson to
5.5 NE Poplar Bluff**

24 1545CST 20 650 0 14 30M Tornado (F4)
1618CST

The tornado crossed into Butler County in the Mark Twain National Forest, then proceeded east-southeast, passing 6 to 7 miles north of Poplar Bluff. An upscale residential subdivision beyond the northern outskirts of Poplar Bluff, just off U.S. Route 67, received extensive damage. At least two well-constructed homes were levelled by peak winds estimated around 210 MPH. A total of 50 homes were destroyed in Butler County, 16 others received major damage, and 30 homes received minor damage. Most of the damaged homes were north of Poplar Bluff. Total damage figures for Butler County included timber losses in the national forest. The total number of injuries requiring hospital care that were directly attributed to the storm was 16. Five of the injured were admitted in critical condition. There were no fatalities from the storm. A woman who lived off U.S. Highway 67 took shelter in her bathtub. She reported that she and the bathtub were blown about 200 feet. She was reportedly found in the median of the highway. She was treated for a cracked sternum, broken ribs, a broken toe, and bruised lungs. In another incident on Highway 67, a large chunk of asphalt was blown through a vehicle's window, striking one of the people inside. The car was extensively damaged when it was blown off the road, but the 3 people inside received only cuts and bruises.



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					Killed	Injured	Property Crops	

MISSOURI, Southeast

Butler County

2 SW Rombauer to 1.6 SSW Rombauer	24	1621CST	1	40	0	0	2K	Tornado (F1)
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The long-track tornado that crossed much of Carter and Butler Counties briefly touched down again near Rombauer. Numerous trees were down along the short damage track.

Stoddard County

5 W Dudley to 4.9 W Dudley	24	1634CST	0.1	40	0	0		Tornado (F0)
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The supercell thunderstorm that spawned a long-track tornado over Butler and Carter Counties produced a brief, weak tornado very close to the Stoddard/Butler County line, just east of Fisk. No damage was reported.

Stoddard County

4 N Bloomfield to 3.9 NNE Bloomfield	24	1716CST	0.1	20	0	0		Tornado (F0)
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A weak tornado briefly touched down near the intersection of Highway 25 and M Highway. No damage was reported.

Bollinger County

8 SW Marble Hill to 4 SW Marble Hill	27	2340CST 2345CST	4	200	1	16	4M	Tornado (F3)
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This aerial photo of the damage area shows the lake where residents of the nearby homes were tossed.

This strong tornado with peak winds near 180 MPH touched down in a rural area southwest of Marble Hill. A total of 19 residences were severely damaged, and 6 were destroyed. Approximately 10 of the residences were mobile homes and 15 were single-family homes. Another 50 outbuildings, such as barns and sheds, were destroyed or damaged. Seven people were inside a house that was demolished. One of the victims, a 12-year-old boy, was thrown about 50 yards from the house and fatally injured. Several others in the immediate area, possibly the other occupants of the house, were thrown into a nearby lake and swam to safety. Of the 16 people injured in the tornado, four were air lifted to hospitals with serious injuries. Cars were stacked atop cars. Several residents were trapped inside the debris of their homes for up to 3 hours. The large number of trees down across roads delayed the arrival of rescue teams.

M12PH



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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

MISSOURI, Southeast

New Madrid County

8 SE Portageville

28 0129CST 0.1 70 0 0 Tornado (F0)

A brief touchdown occurred in a small wooded area along Route 162 in extreme southeast New Madrid County. Several large trees were snapped at the base. No structures were involved.



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July 2002

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Marshall County

6.6 SE Gilbertsville to 6.8 SE Gilbertsville	10	1150CST 1151CST	0.5	10	0	0	25K		Tornado (F0)
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The Cambridge Shores community, located on the shore of Kentucky Lake about 7 miles southeast of Gilbertsville, received severe damage from a downburst with estimated winds to 100 MPH. The core of the damage path was about 1.5 miles long and 1/4 mile wide. Numerous witnesses reported seeing a weak tornado embedded in the downburst. Estimated peak winds in this small tornado were 70 MPH. The bulk of the damage and both injuries were incurred by the downburst. At least a dozen boat docks were destroyed, and six boats were destroyed or capsized, including a houseboat. At least a dozen homes received significant damage, such as roofs blown off and trees landing on houses. Numerous trees were blown down. Two persons received minor injuries when their 48-foot houseboat capsized.



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September 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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INDIANA, Southwest

Posey County

8 SW Mt Vernon to 7.8 SW Mt Vernon	20	0940CST 0941CST	0.2	40	0	0			Tornado (F0)
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A brief touchdown was reported in rural farm country southwest of Mount Vernon. No damage was found. The parent thunderstorm later produced a stronger tornado near Poseyville in northern Posey County.

Posey County

2.4 W Wadesville to 1.5 S Poseyville	20	0950CST 0956CST	4.7	150	0	1	500K		Tornado (F2)
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The tornado destroyed 10 mobile homes and four buildings. The greatest concentration of damage was on Highway 165 about 2 miles south of Poseyville. Peak winds were estimated around 130 MPH. Among the destroyed structures was a county highway garage. Eight vehicles were tossed, including a small van that was thrown onto a debris pile. One person was treated for a cut.

Pike County

7 W Petersburg to 7 NW Petersburg	20	1035CST 1037CST	0.9	75	0	0	2K		Tornado (F0)
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The tornado path began in a remote area just south of the White River near County Road 775 in far northwestern Pike County. The tornado was only on the ground for a mile before crossing the White River into Knox County. No known structural damage occurred in Pike County. Aerial surveys from a plane were used to determine the path of the tornado, which reached F-2 intensity after it crossed into Knox County.



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November 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ILLINOIS, South

Jackson County

3 NW De Soto to 5 E Elkhart	10	1332CST 1340CST	9	100	0	0	4K		Tornado (F0)
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Damage was generally very light. Some shingles were blown off a barn near the end of the damage path. Other damage included tree tops broken off and power poles bent. Loose debris such as tin and paper was blown around.

Franklin County

1.5 N Royalton to 2 NNE Royalton	10	1341CST 1342CST	0.5	50	0	0	1K		Tornado (F0)
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A weak tornado caused some tree damage as it crossed a highway just north of Royalton. The tornado was spawned by the same supercell thunderstorm that produced a longer-track tornado in Jackson County

MISSOURI, Southeast

Cape Girardeau County

2 SE Fruitland to 2.5 ESE Fruitland	09	2258CST 2259CST	0.8	50	0	0	25K		Tornado (F0)
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Near the intersection of Highway W and County Road 601, a trailer was demolished and blown into a building. Trees were blown down, a metal barn roof was blown off, and several homes lost shingles.



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April 2003

Location	Date	Time	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
		Local/ Standard			Killed	Injured	Property	Crops	

ILLINOIS, South

Alexander County

2 NNW Unity to
2 N Unity

25

1343CST
1344CST

0.3

30

0

0

Tornado (F0)



This still shot of the funnel cloud near Unity was taken by a television news crew.

A weak tornado, with peak winds estimated near 65 MPH, briefly touched down in woods and fields. The funnel cloud was observed and videotaped by a television news crew from the intersection of Highways 3 and 127, a distance of about 2 miles away. A witness reported that the funnel touched down in a field near the community of Olive Branch. Based on the video and the eyewitness account, it was determined that one or more brief touchdowns occurred. A few trees were blown down in the area of where the funnel appeared to have touched down. The thunderstorm that produced the apparent tornado formed underneath an upper level low and its associated cold pocket.

KENTUCKY, Southwest

Christian County

.5 W Crofton to
.4 W Crofton

20

1439CST

0.1

50

0

0

1K

Tornado (F1)

A supercell thunderstorm moved east across northern Christian County and extreme southern Muhlenberg County, producing a swath of large hail and a weak tornado. The only reported wind damage was in and near Crofton. A National Weather Service damage survey concluded a brief tornado downed numerous trees in a wooded area half a mile west of town. The remainder of the damage, including nearly all the property damage, was caused by straight-line winds. Numerous trees were uprooted and pushed over onto fences and other non-residence structures. Two barns were damaged, and a large plate glass window was broken in a store. The damage area ended at Old Madisonville Road on the east side of Crofton. Peak winds were estimated near 80 MPH in the tornado and 60 to 70 MPH in the straight-line wind gusts. Witnesses reported that golf-ball size hail accompanied the damaging straight-line winds at Crofton.

Marshall County

3 NE Sharpe to
4 NE Sharpe

25

1509CST
1512CST

1.5

100

0

0

30K

Tornado (F1)

The tornado began along U.S. Highway 62 in the community of Possum Trot. It tracked along the north side of Highway 62, ending



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KENTUCKY, Southwest

near the intersection of Highways 1413 and 62. Peak winds were estimated near 75 MPH. Damage was mainly to sheds and garages, which received varying degrees of damage. Mobile homes also sustained some damage. Numerous trees and limbs were down, including a few on houses. The funnel was photographed from a considerable distance.



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May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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ILLINOIS, South

Massac County

1 WNW Joppa to
.7 NW Joppa

04 2047CST 2050CST 1.4 100 0 0 Tornado (F1)

This tornado, which crossed the Ohio River from Kentucky, moved an anchored barge from its moorings. It flipped over a work trailer and downed numerous trees and power lines. There was minor damage to other trailers. Three concrete slabs, each weighing 500 pounds, were moved from their positions on top of silos. Estimated peak winds were 95 MPH.

Pope County

6 SSW Golconda to
5.2 S Golconda

04 2109CST 2111CST 1.2 50 0 0 Tornado (F1)

The tornado began one to two miles south of the "Ropers Landing" community on the Ohio River, then crossed the river into Kentucky. Extensive tree damage was observed along a bluff on the river. The damage path extended to the river bank.

Pope County

2 SE Bay City

04 2110CST 0.2 40 0 0 8K Tornado (F1)

The tornado first touched down along the Ohio River near the small community of Bay City, then crossed the Ohio River into Kentucky. In and near Bay City, large trees up to 4 feet in diameter were blown down. Some barns and fences were damaged.

A long-lived supercell thunderstorm crossed the Mississippi River about 10 miles northwest of Cairo, then moved east along the Ohio River. While crossing the southernmost tip of Illinois, this storm was responsible for three tornadoes, large hail up to the size of golf balls, and damaging winds.

Alexander County

Miller City

06 1957CST 0.3 30 0 0 Tornado (F0)

The tornado produced some minor tree damage.

A severe thunderstorm produced damaging winds in Cairo that downed numerous trees. Outside of Cairo, the storm produced a weak tornado and dime size hail.

Pulaski County

1 W Grand Chain to
5 E Grand Chain

06 2032CST 2040CST 6 1000 1 13 3.5M Tornado (F4)



A mobile home was blown some distance and demolished in rural eastern Pulaski County.

This violent tornado began near Grand Chain and reached its maximum intensity of 210 MPH as it neared the Massac County line.



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May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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ILLINOIS, South

A 53-year-old man was killed when the chimney of his house collapsed on him. The man, who was in his basement, was protecting his son by lying on top of him when the collapse occurred. The son received broken bones. Their house was impaled by some nearby large trees that prevented it from being swept farther away. Along the Pulaski County portion of the tornado path, six single family homes and ten mobile homes were destroyed. Another ten single family homes and a mobile home had major damage. A few dozen other residences received some type of minor damage. A few dozen outbuildings, two businesses, and a campground were destroyed or had major damage. Approximately 13 persons were injured, but only a few of those required hospitalization. All roads in the damage area were impassable due to large numbers of trees and building debris on them. Many of the tornado victims in this county had no insurance on their residences. The area of most intense destruction was along Tick Ridge Road, a state road that follows a ridge above the Ohio River. M53PH

Massac County

2 W Hillerman to
5 E New Columbia

06 2040CST 14 1000 1 20 10M Tornado (F4)
2114CST



The frame of a mobile home was wrapped around two tree trunks in the above photo. The occupant of the mobile home, a 65-year-old woman, was found dead in a flooded ravine about 100 yards from the mobile home site.

The tornado was near its maximum F-4 intensity as it crossed the Pulaski County line into western Massac County near the community of Hillerman. Estimated winds of 210 MPH disintegrated mobile homes and levelled several modern frame homes. One frame house was swept clean off its foundation, with only the roof left intact in a creek about 200 yards away. Many vehicles were lifted, rolled, or thrown up to 100 yards or more. Numerous cases of missileing were observed, including glass embedded in trees. Tree destruction in forested areas was nearly complete, and a few trees were debarked. The only fatality in Massac County was a 65-year-old female who was killed when her mobile home disintegrated. The official cause of death was blunt trauma to the head. She was found in a water-filled ravine about 100 yards from the former site of her mobile home. The frame of the mobile home was wrapped around the trunks of two trees that were stripped of all their limbs. Most of the levelled frame homes were concentrated on Boaz Road and Rolling Hills Road, in or near Hillerman. After passing through Hillerman, the tornado overturned dozens of railroad cars of a train just west of the Mermet Lake Conservation Area, which is off U.S. Route 45. The Mermet Lake Conservation Area was extensively damaged. An estimated 300 acres of forest were destroyed, boat docks were destroyed, and bathing facilities were destroyed. Dozens of waterfowl were found dead. After destroying additional residences and high tension power lines, the tornado crossed Interstate 24 near mile marker 28, about a mile south of the New Columbia exit. Tractor-trailer rigs and a tour bus were overturned on the interstate, injuring the drivers. The interstate was closed due to grain bins, tree limbs, and some building debris on the highway. Additional residences were destroyed between the interstate and the Pope County line. The tornado crossed into Pope County near where Illinois Route 145 crosses the county line. In Massac County, a total of 15 single-family houses and 13 mobile homes were destroyed. About 20 other single-family houses and 15 mobile homes received major damage. Several dozen other residences had some type of minor damage. Numerous vehicles and farming implements were destroyed, including combines. About 20 persons were injured in Massac County, but only one or two were hospitalized in serious or critical condition. Most of the injuries involved lacerations, bruises, broken bones, and internal injuries. Near Hillerman, a deputy sheriff escaped unhurt after his patrol car was thrown about 50 yards and struck by a flying tree and telephone pole. F65MH



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Persons Injured	Estimated Damage Property Crops	Character of Storm
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ILLINOIS, South

Pope County

**2.5 W Temple Hill to
1 N Golconda** **06** **2114CST
2142CST** **13** **600** **0** **0** **2.5M** **Tornado (F3)**

The tornado entered Pope County near where Illinois Route 145 crosses the Massac County line. The tornado passed near the communities of Temple Hill, Homberg, and Brownfield. In Pope County, three mobile homes and four permanent homes were destroyed, along with numerous barns and outbuildings. An additional nine single-family homes and two mobile homes received major damage. Dozens of other residences received minor to moderate damage. Some vehicles were rolled or moved. The tornado passed just west and northwest of Golconda before ending about a mile north of town. Just west of Golconda, the roof was blown off the county elementary school's gymnasium. Despite the seven destroyed residences, not one injury was reported. The maximum intensity of the tornado was rated F-3 in Pope County, and F-4 in Massac and Pulaski Counties. The slightly lower intensity of the tornado, combined with the fact it narrowly missed the center of several Pope County communities, may partly explain the lack of injuries. When the tornado ended just north of Golconda, it had been on the ground for 33 miles and an hour and ten minutes. Where the track of the tornado ended near Golconda, the Ohio River and Kentucky state line were less than a mile away.

The deadliest and most destructive storm of the night tracked within 10 miles of the Ohio River across extreme southern Illinois. The storm produced a 33-mile long tornado that killed two and injured about 33. A small but very damaging downburst occurred several miles south of the tornado track. A swath of large hail occurred north of the tornado track. Hailstones up to 2 inches in diameter were reported at and near the intersection of Highways 145 and 147, near the community of Glendale in Pope County.

Alexander County

**2 S Willard to
Cairo** **06** **2127CST
2134CST** **3** **400** **0** **1** **300K** **Tornado (F2)**

The tornado formed northwest of Cairo near the Mississippi River. Three tractor-trailer rigs were overturned on the Interstate 57 bridge over the Mississippi River. The tornado tracked through Cairo, damaging dozens of homes and several businesses. One single-family home was destroyed, injuring a child who was cut by flying debris. Of the damaged homes, about four sustained major damage, and the rest had mainly minor damage.

Johnson County

3 S Cypress **06** **2127CST** **0.2** **30** **0** **0** **Tornado (F0)**

The tornado was reported at the community of Whitehill, near the intersection of Perk and Whitehill Roads. Tree damage and some downed trees were the main effect of this tornado.

Johnson County

1 NNE Reevesville **06** **2147CST** **0.2** **30** **0** **0** **Tornado (F0)**

Tree damage and some downed trees were the main effect of this tornado.

Massac County

1 E Samoth **06** **2150CST** **0.2** **30** **0** **0** **Tornado (F0)**

Tree damage and some downed trees were the main effect of this tornado.

KENTUCKY, Southwest

Ballard County

**2.4 NE Monkeys Eyebrow
6 ENE Monkeys Eyebrow** **04** **2043CST
2047CST** **2.5** **30** **0** **0** **Tornado (F0)**

This tornado touched down in bottomland along the Ohio River, downing about a half dozen trees. The tornado proceeded to cross the Ohio River into Illinois.

A severe thunderstorm moved east across northern Ballard and northwest McCracken Counties, downing numerous trees and power lines. The rotating storm also produced a tornado along the Ohio River in Ballard County. This storm was a long-lived supercell that formed over southeast Missouri and tracked northeast up the Ohio River Valley. The storm crossed back into Kentucky in Livingston



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property Crops	Character of Storm
<u>KENTUCKY, Southwest</u>								
County. Fallen trees blocked roadways across northern Livingston County.								
Livingston County 2.5 NW Birdsville to 1.5 SW Lola	04	2110CST 2126CST	9.6	60	0	0		Tornado (F1)
The tornado crossed the Ohio River near Birdsville, tracked northeast across Hampton, then dissipated before reaching Lola. Numerous large trees were blown down. Grain bins were destroyed. The few homes in the path of the tornado sustained roof damage.								
Livingston County 6 NW Birdsville to 6.3 NNW Birdsville	04	2111CST 2112CST	1	30	0	0		Tornado (F1)
The tornado crossed the Ohio River from Pope County, Illinois and ended on the west side of Highway 137. A number of trees were blown down.								
Crittenden County 4.3 W Sheridan to 1 SE Sheridan	04	2130CST 2138CST	5.5	30	0	0		Tornado (F1)
The tornado downed numerous trees.								
Crittenden County 2.5 SW Sheridan to 1.5 SSW Sheridan	04	2132CST	2	40	0	0		Tornado (F1)
The damage from this tornado consisted mostly of downed trees.								
Crittenden County .6 NE Mattoon to .8 NE Mattoon	04	2145CST	0.2	25	0	1		Tornado (F2)
A mobile home was destroyed, and there was significant damage to a permanent home. The occupant of the mobile home received minor injuries. A barn was destroyed, and numerous trees and power lines were down. Peak winds were estimated near 120 MPH.								
Webster County 4 WSW Clay	04	2153CST	0.2	20	0	0		Tornado (F1)
This tornado occurred on Highway 143 just south of Highway 109 at an orchard. Numerous small trees were blown down. An old barn was destroyed, and a house received minor damage. Peak winds were estimated near 105 MPH.								
Webster County 2 W Clay	04	2156CST	0.2	25	0	0	350K	Tornado (F1)
Three large chicken houses were destroyed at a chicken farm on the south side of Highway 109. Peak winds were estimated near 105 MPH. The houses contained about 100,000 chickens, most of which survived.								
Webster County .7 W Clay to .7 E Clay	04	2158CST 2200CST	1.5	75	0	1	1M	Tornado (F2)
In Clay, 6 homes and 2 businesses were destroyed. An additional 45 homes and 4 businesses received varying degrees of damage, ranging from minor to major. A woman was injured when a tree fell and landed on her, breaking her hip. Peak winds were estimated near 125 MPH. One of the destroyed businesses was a hardware store. The other business, on the north side of Clay, housed spring planting supplies. That business lost four metal buildings. Numerous trees and power lines were blown down.								
A severe thunderstorm produced a series of tornadoes across Livingston, Crittenden, and Webster Counties. Both tornadoes in Livingston County originated on the Illinois side of the Ohio River. The strongest tornadoes occurred from Mattoon to Clay, where F2 damage was observed in spots.								
Calloway County 6 NE Murray to 7.8 NE Murray	04	2130CST 2137CST	1.8	60	0	0	350K	Tornado (F2)
The tornado began along Highway 732 about one quarter mile east of Highway 94. It then moved northeast, roughly parallel to								



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Highway 94, for almost two miles. Six homes received minor to moderate damage. Numerous trees were down, two barns were destroyed, and several others were damaged. Peak winds were estimated near 120 MPH.

A supercell thunderstorm moved northeast from Tennessee, producing straight-line wind damage from the southeast corner of Graves County to Murray. The storm then spawned a tornado northeast of Murray.

Daviess County

2.5 S St Joseph

04	2245CST 2246CST	0.2	25	0	2	75K	Tornado (F2)
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A mobile home was destroyed, injuring two persons. A boy received a broken arm, and a girl suffered a broken back. Several barns and garages were blown down, and a garage was pushed off its foundation. One permanent home received minor damage

Ballard County

**5 NW Wickliffe to
4 ENE Blandville**

06	2141CST 2200CST	15	300	0	0	Tornado (F2)
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The tornado crossed into Ballard County between Wickliffe and the U.S. Route 60/62 bridge over the Ohio River. The tornado was rated F-2 in a forested area along the Mississippi River just north of Wickliffe, where intense tree damage was observed. Along the rest of its path through Ballard County, it was rated F-1 or F-0 (winds below 113 MPH). Where the tornado passed through the northeast outskirts of Wickliffe, there were a few homes with mainly minor damage. Roads were blocked by large fallen trees, including a 300-year-old white oak tree. The tornado moved east-southeast across rural Ballard County, where there was considerable roof damage to a home, and a garage door was blown out. Large trees were uprooted. At least one house was struck by falling trees. There was slight structural damage to the roof and attic portion of a home.

McCracken County

**4.5 W Melber to
2.5 W Melber**

06	2212CST 2215CST	2	75	0	0	Tornado (F0)
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Trees were snapped off or uprooted along the north side of Highway 1820, just inside the McCracken County line. Peak winds were estimated near 70 MPH.

McCracken County

**.3 S Lone Oak to
4.2 SE Lone Oak**

06	2217CST 2222CST	3.5	80	0	0	Tornado (F1)
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Numerous trees were snapped or uprooted. The tornado began just east of U.S. Highway 45 on the south side of Lone Oak, and moved southeast across Highway 994 (Old Mayfield Road) to about Highway 1954 (Husband Road). Peak winds were estimated near 80 MPH.

Graves County

3.5 NNW Folsomdale

06	2222CST 2223CST	0.5	125	0	0	Tornado (F1)
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The tornado occurred just west of U.S. Highway 45, along Highway 1241 near the McCracken County line. A mobile home was moved completely off its foundation and damaged. Two nearby homes had minor roof damage. Peak winds were estimated from 90 to 100 MPH.

Graves County

**1.5 NW Symsonia to
.5 NW Symsonia**

06	2232CST 2234CST	1	100	0	0	Tornado (F1)
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Several large trees were uprooted. The tornado was witnessed by a firefighter. The damage was along Highway 348.

Hickman County

**8.4 ESE Clinton to
10.2 SE Clinton**

06	2232CST 2235CST	2	50	0	0	Tornado (F1)
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The tornado path began on Highway 944 about 2.5 miles southeast of Fulgham. Some trees were blown down. Most of the tornado's path was in Graves County.

Graves County

5 SW Wingo to

06	2235CST	20	50	0	0	Tornado (F1)
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National Weather Service

Storm Data and Unusual Weather Phenomena



May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

KENTUCKY, Southwest

.5 S Bell City

2302CST

The tornado entered Graves County a couple miles north of where the Purchase Parkway crosses the Hickman/Graves County line. A very broken path of damage extended across southern Graves County to near the Calloway County border. A garage attached to a residence was destroyed. Roofs were damaged. An open aluminum equipment shed was heavily damaged. Trees were blown down. Peak winds were estimated near 95 MPH.

Marshall County

8 NW Benton to
6 NW Benton

06

2238CST
2241CST

2

100

0

0

Tornado (F1)

Numerous trees were uprooted or snapped. Barns and sheds were damaged. Peak winds were estimated near 85 MPH. The damage was along Highway 348.

Marshall County

2 SE Briensburg

06

2250CST

0.5

80

0

0

Tornado (F0)

Along U.S. Highway 68, there were large trees down. Peak winds were estimated near 70 MPH.

Union County

Boxville to
5 ENE Boxville

06

2252CST
2300CST

4

100

0

0

400K

Tornado (F1)

The tornado downed numerous trees. One farm, located on Highway 56 near the junction of Highway 141, was heavily damaged. Many trees were blown down in a wildlife area. The tornado crossed into Henderson County, where most of the structural damage occurred.

Marshall County

4.5 SE Briensburg

06

2255CST

0.5

80

0

0

Tornado (F1)

Large trees were down, and sheds and barns were damaged. Peak winds were estimated near 85 MPH. The damage area was along U.S. Highway 68.

Henderson County

6.8 SSW Corydon to
1 E Robards

06

2300CST
2321CST

11

100

0

0

350K

Tornado (F1)

The tornado entered the southwest corner of the county from Union County. Most of the significant damage occurred near Robards, where three mobile homes were destroyed. Several large barns were destroyed. An empty grain silo was damaged. Upwards of 100 trees were down. The damage ended along U.S. Highway 41 near the Pennyrile Parkway at a truck stop. Peak winds were estimated near 110 MPH.

The most prolific tornado-producing storm of the night entered western Kentucky near the confluence of the Ohio and Mississippi Rivers and moved east, passing between Paducah and Mayfield. The storm continued to spawn tornadoes, mostly of weak to moderate intensity, until it reached Kentucky Lake. Elsewhere, severe thunderstorms moved northeast across northwest Kentucky, producing sporadic wind damage and a tornado. Sporadic wind damage occurred in Livingston, Crittenden, Webster, and Daviess Counties, with a tornado in Union and Henderson Counties.

Mclean County

.2 S Sacramento to
1.5 ESE Sacramento

11

0018CST
0021CST

1.8

80

0

2

400K

Tornado (F3)

One home was destroyed, and one home was severely damaged. A mobile home disintegrated, with the frame found one quarter mile away. Several barns or sheds were destroyed. Two vehicles were rolled. Numerous trees were uprooted, and some were blown some distance. The damage path began about one quarter mile west of Highway 81 in the south end of Sacramento, then extended eastward. The two injuries were relatively minor. Peak winds were estimated near 170 MPH.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property Crops	Character of Storm
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MISSOURI, Southeast

Scott County

.5 S Morley to 1 SW Lusk	04	1953CST 2005CST	11.5	130	0	0	75K	Tornado (F2)
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One mobile home was destroyed. Several small buildings were damaged. Numerous trees were blown down or damaged. Several irrigation systems were moved and/or turned over. Peak winds in the tornado were estimated near 130 MPH.

Severe thunderstorms produced dime to nickel size hail in isolated locations from around Poplar Bluff west. The storms then organized into a single tornadic supercell just northeast of Poplar Bluff. This long-lived supercell moved east, passing between Cape Girardeau and Sikeston, then continued east-northeast through the Lower Ohio River Valley. The supercell produced a tornado in Scott County. Trees were blown down at Wappapello in southeast Wayne County.

Bollinger County

.3 S Grassy to .7 ESE Grassy	06	1904CST 1906CST	0.8	100	0	0	40K	Tornado (F2)
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A mobile home, a house, and a barn was destroyed. Most of the damage was on County Road 702. Peak winds were estimated around 130 MPH.

Bollinger County

5 E Marble Hill to 5.3 E Marble Hill	06	1918CST	0.3	50	0	0		Tornado (F0)
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Damage was mainly to trees. A barn/outbuilding was damaged or destroyed.

Cape Girardeau County

2 S Burfordville to 2.5 SE Burfordville	06	1931CST 1933CST	1	50	0	0		Tornado (F1)
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An old farmhouse was partially destroyed, with the kitchen still standing but the rest of the house flattened. A nearby barn was destroyed. Numerous trees were blown down.

Cape Girardeau County

Jackson to 2 NE Jackson	06	1945CST 1950CST	2	50	0	2	12M	Tornado (F3)
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The tornado touched down at the intersection of Highway 34 and Business Loop I-55 in Jackson, then moved northeast across downtown Jackson and the Bent Creek Golf Course. The damage path ended about 300 yards short of Interstate 55. Several trees blocked Interstate 55 near Jackson. Peak tornado winds were estimated near 180 MPH. The police and fire headquarters building was near the beginning of the damage path. The roof was blown off the building and windows were blown out, allowing rain to flood the building and cause extensive damage. The hazardous materials trailer and communications van were overturned. City police and fire operations were moved to alternate quarters. Streets were blocked by flipped cars and downed trees and power lines. Numerous large trees were snapped or uprooted. The roofs and some walls were torn off many buildings and homes, as well as a school in downtown Jackson. About 200 structures in Jackson received at least some degree of damage. Approximately 22 homes were destroyed, 43 received major damage, and 140 received minor damage. Of those, six were mobile homes and four were apartment buildings. Three businesses were destroyed, including a bakery. Four other businesses had major damage, including a storage company and a woodworking business. Two injured persons were treated and released from a local hospital. One family safely took shelter in their basement while baseball size hail battered the kitchen floor of their unroofed home, and a small sports car landed in their living room. Twenty gas leaks caused by the tornado were repaired within 6 hours. Power was restored to all but 30 homes within 48 hours.

Cape Girardeau County

7 NNE Cape Girardeau	06	2011CST	3	50	0	0		Tornado (F1)
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National Weather Service

Storm Data and Unusual Weather Phenomena



May 2003

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

MISSOURI, Southeast

3 E Oriole

2018CST

The tornado touched down about 2 miles southeast of Oriole, south of Highway V. It moved northeast to along Highway 177 in the Trail of Tears State Park area. Numerous trees were blown down, including some on structures. A rental home was destroyed. At least one other house and metal buildings were damaged. Several sheds or barns were destroyed. Peak winds in the tornado were estimated near 80 MPH.

A supercellular severe thunderstorm tracked northeast across Bollinger and Cape Girardeau Counties, producing several tornadoes and hail up to golf ball size. Other severe thunderstorms north of the supercell's path produced damaging wind gusts and large hail.

Scott County

3 N Benton to
4 E Benton

06	2122CST 2133CST	5	200	0	0	Tornado (F1)
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The tornado began just west of Interstate 55 and moved southeast, ending as it crossed County Road 333. A vehicle was blown around on the interstate, and there was minor damage to homes. Numerous large trees were blown down. Maximum winds were estimated around 90 MPH.

Mississippi County

12 NNW Wyatt to
Birds Pt

06	2134CST 2141CST	7	100	0	0	Tornado (F2)
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This tornado formed on the Illinois side of the Mississippi River, crossed the river into Missouri at the Interstate 57 bridge, then crossed the river into Kentucky. On the Interstate 57 bridge over the Mississippi River, three 18-wheelers were flipped over, closing the bridge for several hours. The Missouri portion of the track was mainly across undeveloped river bottomland, used mainly for planting crops.



National Weather Service

Storm Data and Unusual Weather Phenomena



June 2003

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Marshall County

2 W Briensburg to 1.8 W Briensburg	11	1820CST 1821CST	0.2	80	0	0	35K		Tornado (F1)
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A mobile home was pushed two to three feet off its pier foundation, nearly pulling tie downs out of the ground. Part of the wooden deck with an attached metal awning was thrown 200 feet across a roadway. Another part of the deck crashed into a corner of the mobile home and a pickup truck, causing substantial damage to both. A heavy wooden shed with some heavy equipment in it was flipped over. A utility trailer was moved several feet. Deck furniture and the metal roof from a carport were blown away. A dog was injured. Peak winds were estimated near 75 MPH. The damage location was about a half mile south of the intersection of Highway 795 and Foust Sledd Road, which is less than a mile west of the Purchase Parkway.



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2003

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Calloway County

3.5 NNW Lynn Grove to .7 E Lynn Grove	22	1935CST 1943CST	4	60	0	0	Tornado (F0)
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Numerous trees were blown down, including one that fell on a house.

Thunderstorms developed along and ahead of a cold front that moved southward across western Kentucky. The storms produced torrential rainfall and continuous lightning after dark. Rainfall at a co-operative observer station in Canton (Trigg County) measured 4.10 inches in three hours. The storms downed many trees, including a few that landed on homes, but there were no reports of structures damaged directly by wind. Isolated reports of large hail were received. A weak tornado produced a broken path of tree damage in western Calloway County.